P-660RU-Tx v2

ADSL2+ Ethernet / USB Router

Quick Start Guide

Version 3.40
Edition 3
5/2008

ZyXEL

Overview

The P-660RU-Tx v2 is an ADSL router with both USB and Ethernet ports.

See your User's Guide for background information on all features.

This Quick Start Guide shows you how to:

- Connect the hardware.
- Set up your Internet connection. The device should connect to the Internet automatically if it is preconfigured. If you were given Internet connection information from your Internet Service Provider (ISP), you may have to set up the connection manually (See section 3).

How to use the included CD

If you prefer to see a multi-media animation of how to make hardware connections, see the installation tutorial on the included CD.

1 On the included CD, click **Multimedia Auto Provisioner** > **Installation Tutorial**.
2 At the end of the tutorial, click **Configuration Genie** to set up your P-660RU-Tx v2 to connect to the Internet.
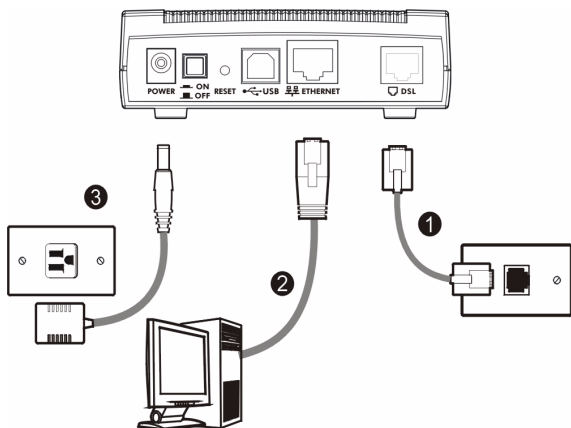
1 Hardware Connections

There are two ways to connect your computer or computer network to the P-660RU-Tx v2:

Option A: Connect via Ethernet. See page 2.

Option B: Connect via USB (you will need to install the USB driver). See page 4.

Option A: Connect via Ethernet

1 ETHERNET: Use the yellow Ethernet cable to connect a computer to the **ETHERNET** port for initial configuration and/or Internet access.

2 DSL: Use the gray telephone wire to connect your P-660RU-Tx v2's **DSL** port to a telephone jack (or to a splitter, if one is already installed).

3 POWER: Use the power adaptor provided with your P-660RU-Tx v2 to connect an appropriate power source to the **POWER** socket. Make sure the power source is on.

4 Push in the **POWER** button.
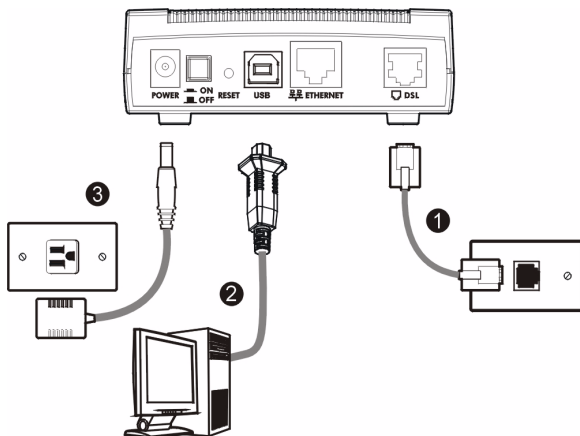
5 Look at the lights on the front panel.
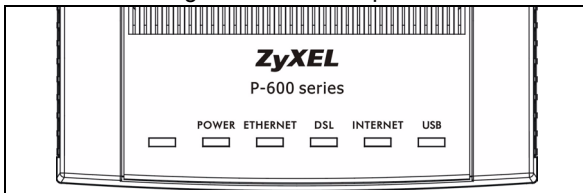
- The **POWER** light blinks while your P-660RU-Tx v2 starts up and stays on once it is ready.

- The **DSL** light is on when the P-660RU-Tx v2 has a DSL connection.

- The **INTERNET** light is on when you are able to access the Internet and blinks when the P-660RU-Tx v2 is sending or receiving data.

- The **ETHERNET** light stays on if the corresponding **ETHERNET** port is properly connected and blinks when there is traffic.

? If any of these lights are not on, check your connections and inspect your cables for damage. If the lights are still off, contact your local vendor.

Option B: Connect via USB

✎ Do NOT connect the same computer to both the **USB** and **ETHERNET** ports on the P-660RU-Tx v2.

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1 **USB**: Connect the provided USB cable to the P-660RU-Tx v2's **USB** port.

2 **DSL**: Use the gray telephone wire to connect your P-660RU-Tx v2's **DSL** port to a telephone jack (or to a splitter, if one is already installed).

3 **POWER**: Use the power adaptor provided with your P-660RU-Tx v2 to connect an appropriate power source to the **POWER** socket. Make sure the power source is on.

4 Push in the **POWER** button.

5 Look at the lights on the front panel.
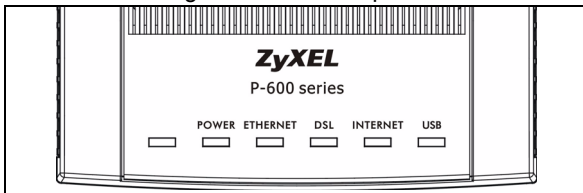
- The **POWER** light blinks while your P-660RU-Tx v2 starts up and stays on once it is ready.

- The **DSL** light is on when the P-660RU-Tx v2 has a DSL connection.

- The **USB** light turns on if the USB port is properly connected, and blinks when there is traffic.

? If any of these lights are not on, check your connections and inspect your cables for damage. If the lights are still off, contact your local vendor.

Install the USB Software

If you want to connect to the Internet through the P-660RU-Tx v2's USB port, install the USB driver before you connect the P-660RU-Tx v2 to the USB port. Follow the steps for your operating system to install the USB driver.

Windows Computer

System Requirements

- Windows 98 SE (Second Edition), Windows ME (Millennium Edition), Windows 2000, Windows XP, or Windows Vista
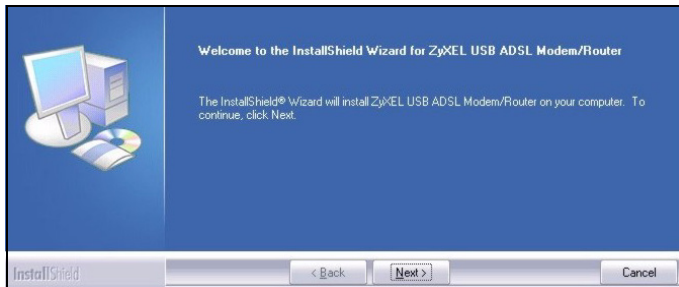- An available USB port

Procedures

1. Save your work and close all applications.
2. Insert the included CD. The CD automatically runs and the main screen displays.
3. Click the **Setup** icon on the main screen.
4. Select the Windows version of your computer.

5 An install warning may appear in the Windows Vista OS. Click **Allow** to continue.
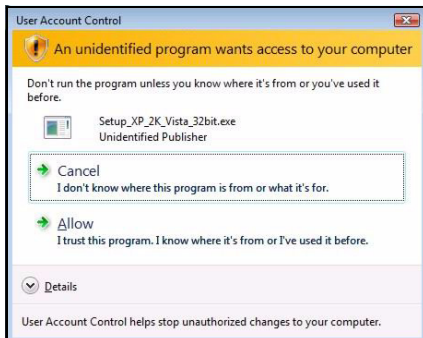
6 Click **Next** in the Welcome screen to begin the USB Installation Wizard. Follow the installation prompts. You may need to restart your computer at the end of the installation.
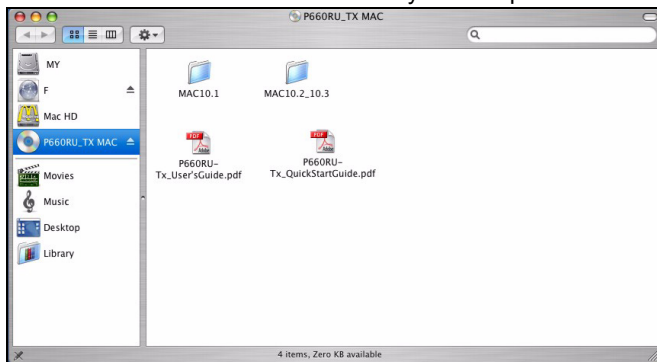
Macintosh Computer

System Requirements

- Macintosh operating system versions 10.1, 10.2 and 10.3.
- An available USB port

Procedures

1 Save your work and close all applications.

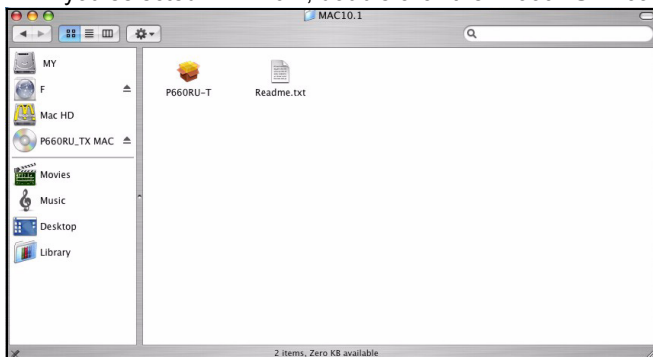**2** Insert the included CD. A CD's icon automatically displays on the desktop.

3 Double-click the CD's icon.
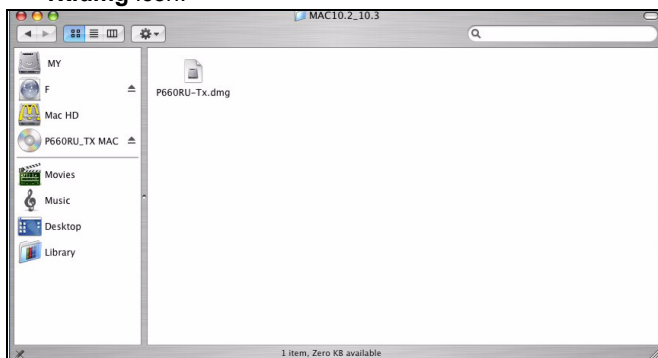
4 Double-click the MAC version of your computer.
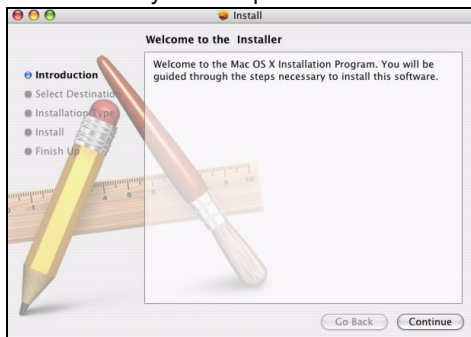
5 Double-click one of the following.

If you selected **MAC10.1**, double click the **P-660RU-T** icon.

If you selected **MAC 10.2_10.3**, double click the **P-660RU-Tx.dmg** icon.

6 Click **Continue** in the Welcome screen to begin the USB installation. Follow the installation prompts. You may need to restart your computer at the end of the installation.

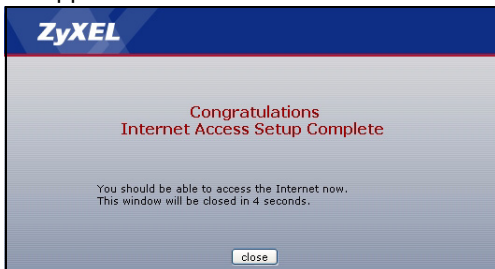# 2 Connection Setup: Automatic

Use this section to have your P-660RU-Tx v2 automatically detect and set up your Internet connection.

1 Open your web browser, and go to any web page (for example, http://www.zyxel.com). Your P-660RU-Tx v2 tries to detect your Internet connection.

2 Wait for the P-660RU-Tx v2 to finish the connection test. This may take several minutes. If you do not see a

connection test screen similar to the following, go to step 5.

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Connection Test in Progress

Please wait a moment.
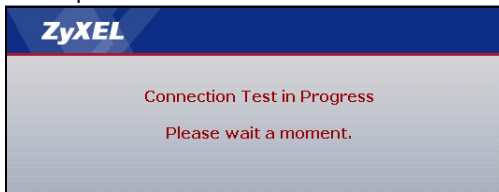
3 If the connection test is successful, the following screen appears. Your Internet connection is ready for you to use.

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**Congratulations
Internet Access Setup Complete**

You should be able to access the Internet now.
This window will be closed in 4 seconds.

[close]

4 If the connection test is not successful, you may see a screen similar to the following. Follow the instructions in the screen.

No DSL connection

Your router has not established a DSL connection to your local exchange. The DSL light on the router will blink while it is trying to connect, and stay on if it connects successfully.

common connection problems, click here to recheck the connection status.If the router still cannot connect, contact your ISP for technical assistance.

5 If the connection test is not successful, check your connections and restart the P-660RU-Tx v2. If you still cannot access the Internet, take the steps in the following section. You should have information provided by your Internet Service Provider.

3 Connection Setup: Wizard

Use this section to set up your Internet connection if automatic Internet connection does not work (see section 2). You should have information from your Internet Service Provider (ISP).

1 Open your browser and enter the P-660RU-Tx v2's IP address (default 192.168.1.1) as the URL. If your browser does not display a login screen, see **Troubleshooting** for details.
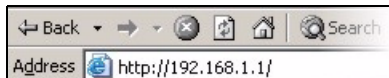
2 Enter the admin password **1234** (default). Click **Login**.

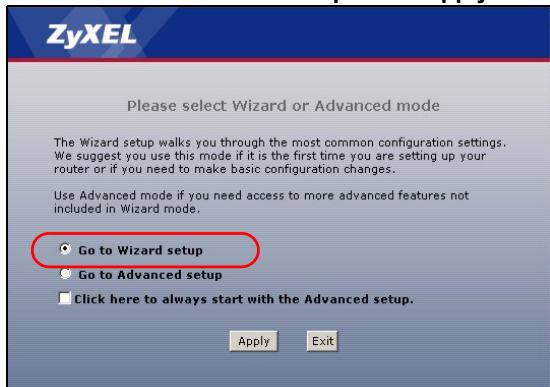**3** Type (and retype) a new password and click **Apply**.

✎ You have to use a new password other than the
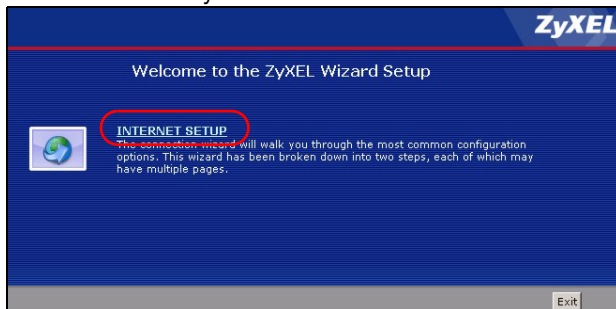default password **1234**, or you cannot apply it
successfully.

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4 The system asks you to enter your new password to log in
again.

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5 Select **Go to Wizard setup**. Click **Apply**.

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Please select Wizard or Advanced mode

The Wizard setup walks you through the most common configuration settings. We suggest you use this mode if it is the first time you are setting up your router or if you need to make basic configuration changes.

Use Advanced mode if you need access to more advanced features not included in Wizard mode.

● **Go to Wizard setup**
○ **Go to Advanced setup**
☐ **Click here to always start with the Advanced setup.**

Apply   Exit

6 Click **INTERNET SETUP**. Wait while your P-660RU-Tx v2 tries to detect your DSL connection.

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Welcome to the ZyXEL Wizard Setup

INTERNET SETUP
The connection wizard will walk you through the most common configuration options. This wizard has been broken down into two steps, each of which may have multiple pages.

Exit

7 If the connection test is successful, the following screen displays. Click **Finish** to exit the wizard.

CONGRATULATIONS

The Internet Setup configuration is complete. Here is your current settings.

Internet Settings

Mode: Routing
Encapsulation: RFC 1483
Multiplexing: LLC
VPI/VCI: 8/35

Press "**Finish**" button to close this wizard, or click the following link to open other pages.

:: **Return to Wizard Main Page**
:: **Go to Advanced Setup Page**

Finish
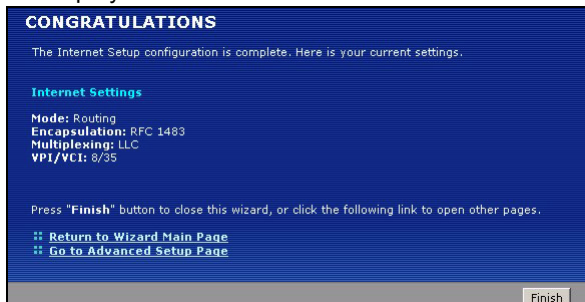
8 If the connection test is not successful, you may see a screen similar to one of the following.

STEP 1 ▶ STEP 2

📁 **Internet Configuration**

No DSL connection

Your router has not established a DSL connection to your local exchange. The DSL light on the router will blink while it is trying to connect, and stay on if it connects successfully.

Restart the Internet Setup Wizard

Next >   Exit

STEP 1 ▶ STEP 2

📁 **Internet Configuration**

Auto-Detected ISP

Connection Type

Detection Failed. Please make sure the DSL cable is connected. Click the 'Next' button below to manually configure your Internet connection

📍 **Note:**
This wizard can only automatically detect PPP over Ethernet (PPPoE), PPP over ATM (PPPoA), or dynamically assigned Ethernet Internet connections. Your Internet connection may use a Static IP address which cannot be detected automatically.

<Back   Next >   Exit

Either click **Restart the Internet Setup Wizard** (if available) to have the ZyXEL Device detect your connection again, or click **Next** to set up your Internet connection manually.

9 Follow the instructions in the wizard. Enter your Internet connection information exactly as provided by your ISP. If you do not see the following screen, go to section 4.

STEP 1 ▸ STEP 2

📁 Internet Configuration

ISP Parameters for Internet Access

Please verify the following settings with your Internet Service Provider (ISP). Your ISP may have given you a welcome letter or network setup letter including this information.

Mode   Routing ▾

Select 'Routing' (default) if your ISP allows multiple computers to share an Internet account. Otherwise, select 'Bridge' mode.

Encapsulation   ENET ENCAP ▾

Select the encapsulation method used by your ISP. Your ISP may list 'ENET ENCAP' as 'Static IP' or 'Dynamic IP'

Multiplexing   LLC ▾

Select the multiplexing type used by your ISP.

Virtual Circuit ID

VPI   8

VCI   35

Select the VPI (Virtual Path Identifier) and VCI (Virtual Channel Identifier) used by your ISP. The valid range for the VPI is 0 to 255 and VCI is 32 to 65535.
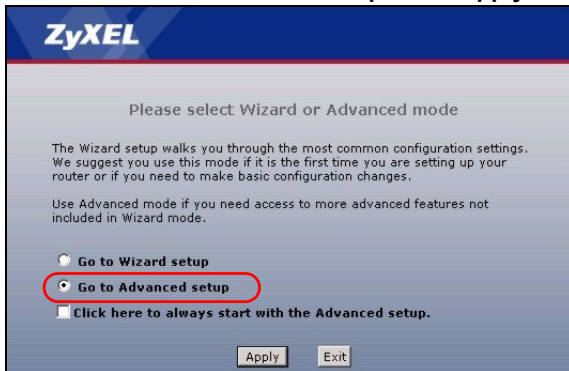
[< Back]   [Next >]   [Exit]

4 Connection Setup: Manual

Use this section to set up your Internet connection manually if you do not see the **ISP Parameters for Internet Access** screen when you run the wizard (see section 3).

1 Follow steps 1 to 3 in section 3 in order to log in to the web configurator.

2 Select **Go to Advanced setup**. Click **Apply**.

3 The **Status** screen appears. Click **Network** > **WAN** in the navigation panel on the left of the screen.
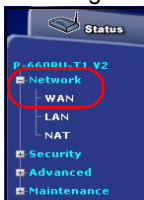
4 The **Internet Connection** screen appears. Enter the information exactly as provided by your ISP and click **Apply**.

> ✎ The fields available in this screen depend on the **Mode** you select.

5 If you still cannot access the Internet, see **Troubleshooting** and/or contact your Internet Service Provider (ISP) for assistance.

Troubleshooting

1 If you want to verify your USB installation,

- Check the status of the P-660RU-Tx v2 in the Device Manager window. Click **Start > Settings > Control Panel > System > Hardware** and then click **Device Manager**. (Steps may vary depending on the version of Windows.)

- Verify the status of the P-660RU-Tx v2 under **Network Adapter**. Check that there is no question mark on the device icon for the P-660RU-Tx v2.

2 If you cannot access the web configurator,

- Your computer may be set to use a static IP address in a different subnet from the ZyXEL device. See the appendix in the User's Guide for information on setting up your IP address.

- If you are using Internet Explorer in Windows XP or Windows Server 2003, make sure you allow pop-up windows, JavaScripts and Java permissions or set the Internet security level lower than **High** in Internet Explorer (in Internet Explorer, click **Tools > Internet Options > Security > Custom Level...**). See the appendix in the User's Guide for more information.

3 If you cannot access the Internet when your computer is connected to the **ETHERNET** port, follow these steps.

  A) Check the lights on the front panel. If they are different from what is described in section 1, make sure the P-660RU-Tx v2 is correctly connected. If the lights are still different, turn off the device, wait a few seconds, and turn it on again.

B) If your ISP gave you Internet connection information, ensure you enter it correctly. For example, if your account has a user name and password, make sure you type it correctly. In addition, if you are not sure which encapsulation your ISP uses, contact your ISP. If your ISP did not give you Internet connection information, follow the steps in section 2.

C) If you are using a new Internet account, contact your ISP to make sure it is active.

D) If you still have problems, see **Troubleshooting** in the User's Guide.

If you cannot access the Internet after you take the steps above, either try the following or contact your ISP:

E) Turn your P-660RU-Tx v2 off and on. Open your Internet browser if it is not already open.

Let the P-660RU-Tx v2 complete the DSL connection test (this may take several minutes). See section 2 for details.

If the test is successful, check whether you can access the Internet.

F) If the test is unsuccessful or if you cannot access the Internet, log in to the P-660RU-Tx v2's web configurator (see section 3).

 • Click **Network** > **WAN** > **Internet Connection**. Ensure that the settings in this screen are the same as those your ISP gave you. If your ISP gave you a static IP address to use, select **Static IP Address** in the **IP Address** section and enter it in the **IP Address** field. If not, select **Obtain an IP Address Automatically**. Click **Apply**.

- Click the wizard icon ( ). Run the **Internet Setup** wizard again. Check whether you can access the Internet.

If you still cannot access the Internet, take the following steps:

- If you are using **Bridge** mode (check **Mode** in the **Network** > **WAN** > **Internet Connection** screen) click **NAT** > **General** and ensure **Active Network Address Translation (NAT)** is not selected. Click **LAN** > **DHCP Setup** and ensure that **DHCP** is set to **None**. Your ISP gives your computer an IP address directly. If you want to access the P-660RU-Tx v2 again, you need to use a static IP address in the same subnet as your P-660RU-Tx v2 (the P-660RU-Tx v2's default IP address is 192.168.1.1).

- Click the wizard icon ( ). Run the **Internet Setup** wizard again. Check whether you can access the Internet.

If you still cannot access the Internet, contact your Internet Service Provider.

Viewing Your Product's Certifications

1 Go to www.zyxel.com.

2 Select your product from the drop-down list box on the ZyXEL home page to go to that product's page.

3 Select the certification you wish to view from this page.